M. A. R. 57 (Rule 116)
Measurement Book

No. B 498825

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency Executive engineer KRIDL
Date of commencement of work .....

Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
2	Number 3	Length 4	Breadth 5	Depth 6	7	8
NAME OF WORK :- Improvements to Roads Drains and other development works in Kempegowdanagar colony and Surrounding area in Ward no 9 vidyaranyapura						
JOB CODE :- 009-20-000035						
WORK ORDER NO :- BBMP/EE/BTP/WO/197/2019-20 dated 01-02-2020						
Head of account :- P1878 18per-works (bhagyajothi. Suvarneeru yojane and general)						

Contents	Reference to last Measurement
7	8

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
Item 1	Dismantling of existing Reinforced cement concrete grade M20 above structure like culverts bridges, retaining wall and other structure compressing of masonry cement concrete wood work steel work including T&P and scaffolding wherever necessary sorting the dismantal material.						
	Quantity recorded vide E MB					29.25 cum	
			Rate at Rs 1684.34/cum				49274.52
Item 2	Removing and refixing stone slab of drains and pointing in cm (1:3)						
	Quantity recorded vide E MB					347.49	
			Rate at Rs	111.30/sqm			38675.64

RE W-09
02/06/2020

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7	8
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5 up	49274.52
ng	
49	
	38675.64

M. A. R. 57 (Rule 116)
Measurement Book

No. B 498826

..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
	Number	Length	Breadth	Depth		
2	3	4	5	6	7	8
Earthwork excavation by manual means in ordinary soil involving average horizontal throw up to 2m and average lift upto excavated surface levelled and sides neatly dressed. The disposed earth to be levelled neatly after breaking of clods complete as per specification.						
Quantity recorded vide E MB					919.25	
Rate at Rs 207.60/cum						190841.93

AE W-09
02/06/2020

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore - 97

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
Item 4	Dismantling of cement concrete pavement by mechanical means using pneumatic tools. breaking to pieces not exceeding 0.02 cum in volume and stock pilling at designated location.						
	Quantity recorded vide E MB					59.10	
	Rate at Rs 952.94/cum						56318.75
Item 5	Excavation for road work in soil with hydraulic excavator of 0.90 cum bucket capacity including cutting and Loading in tippers trimming bottom and side slopes						
	Quantity recorded vide E MB					189.69 cum	
	Rate at Rs 475.94/cum.						

RE W-04
02/06/2020

Contents	Reference to last Measurement
7	8
anical means	
ng. 0.02 cum	
59.10	
	56318.75
ector	
ding in	
189.69 cum	

M. A. R. 57 (Rule 116)
Measurement Book

No. B 498827

..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
	Number	Length	Breadth	Depth		
2	3	4	5	6	7	8
stone dust / grit						
Quantity vide ~~MB~~ recorded E MB					129.60 cum	137376.00
Rate at ₹ 1060.00/cum						
providing, laying spreading and compacting crushed stone aggregate of granite / trap / basalt to wet mix macadam specification.						
Quantity recorded vide E MB					166.20 cum	332612.74
Rate at ₹ 2001.28/cum						
07/06/2018						

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
Item 8	providing and laying in position plain cement concrete of mix 1:3:6 with opc cement at 220 kgs with 20mm and down size graded granite metal course aggregate at 0.84 cum and fine aggregate at 0.56 cum machine mixed. laid in layers not exceeding 15cm thick						
	Quantity ~~vide~~ recorded vide E mB					153.41 cum	
	Rate at Rs 5491.90/cum						831751.04
Item-9	providing and constructing granite/trap/basalt size stone masonry in basement with cement ~~masonry~~ mortar 1:6 edges of stone chisstle dressed in course not less/than 15cm high. bond stone at 2m apart in each course						
	Quantity recorded vide E mB					48.60 cum	
	Rate at Rs 5811.98/cum						282462.23

02/04/2020

Full description, etc, of work

2

providing ruled pointing
cement mortar 1:3 —
mixly lining including c
Quanti

providing precast slab of
labour, curing, transpo
as per specification
Quan

02/04/2020

K

	Contents	Reference to last Measurement
epth 6	7	8
of mix 1:3:6 graded granite 0.56 Cum		
	153.41 cum	83751.04
e masonry f stone chisle m apart		
	48.60 cum	
cum		282462.23

M. A. R. 57 (Rule 116)
Measurement Book

No. B

498828

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
	Number	Length	Breadth	Depth		
2	3	4	5	6	7	8
Providing ruled pointing 20mm deep to crushed stone masonry with Cement mortar 1:3 20mm deep. after haking of joints to depth of 20mm nicely lining. including cost of materials						
Quantity recorded vide E MB					9.00 sqm	
Rate at Rs 150.52/sqm						1354.68
providing precast slab of 250mm thick including cost of all materials labour, curing. transportation. loading unloading etc. complete as per specification						
Quantity recorded vide E MB					7.50 Sqm	
Rate at Rs 5418.00/sqm						40635.00

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
Item-12	providing and laying in position plain cement concrete of mix 1:2:4 with cement at 240 kgs. with 20mm and down size graded granite metal course aggregate at 0.69cum and fine aggregate at 0.459cum. machine mixed						
	Quantity recorded vide E MB					61.60 cum	
	Rate at Rs 5747.32/cum						354053.00
Item-13	providing 7 MT steel reinforcement for RCC work including straightening. cutting. bending. hooking placing in position. lapping and/or welding wherever required						
	Quantity recorded vide E MB					9.26 QH	
	Rate at Rs ~~7526~~ 75223.96/QH						696498.65
	02/06/2020						

Contents	Reference to last Measurement
7	8
of mix size nc	
1.50 cum	354053.00
uding capping	
6 qtl	696498.65

M. A. R. 57 (Rule 116)
Measurement Book

No. B 498829

..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
2	Number 3	Length 4	Breadth 5	Depth 6	7	8
providing and removing centering shuttering, strutting propping etc. and removal of form work for vertical surface of walls at any thickness						
Quantity recorded vide E MB					1550.74 sqm	
Rate at Rs 379.48/sqm						587749.25
providing and laying in position reinforced cement concrete of Design mix m20 with opc at 320 kgs with 20mm nom down size graded granite metal course aggregate						
Quantity recorded vide E MB					142.48 cum	
Rate at Rs 5998.54/cum						852617.18

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
Item-16	construction of un-reinforced plain cement concrete of pavement. using grade concrete M20 over a prepared base with opc course aggregate						
	Quantity recorded vide E MB					91.88 cum	
	Rate at Rs 5128.28/cum						471160.73
Item-17	providing and laying pre-cast drain cover slabs of 100 mm thickness in cm (1:3) including cost of all materials, labour curing, transportation loading and unloading etc complete as per direction of engineer incharge of work						
	Quantity recorded vide EMB 679.54						Sqm
	Rate at Rs 2337.00/sqm						1585832.11
	02/06/2020						

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No. B

498830

..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
	Number	Length	Breadth	Depth		
2	3	4	5	6	7	8
providing 20mm thick cement plaster in single coat with cement mortar 1:3 to stone masonry and concrete surface including rounding off						
Quantity recorded vide E MB					28.00 sqm	
Rate at Rs 306.34/sqm						8577.52
Construction of embankment with approved material (gravel/ murum) with all lifts and leads, transporting to site, spreading grading to required slope						
Quantity recorded vide E MB					72.00 cum	
Rate at Rs 344.50/cum						24804.00

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measuremen
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
Item 20	providing and fixing of wall cladding using 20 mm thick gang saw water cut						
	Quantity recorded vide E MB					78.28 Sqm	
	Rate at Rs 2291.72/Sqm						179395.84
Item 21	providing and fixing Stainless steel 304 grade for staircase railings, balconies, ramps, with hand rail 50mm dia 16 gauge hollow pipe welded to vertical hollow 50mm dia						
	Quantity recorded vide E MB					35.40 Sqm	
	Rate at Rs 6382.26/Sqm						225932.00

02/01/2020

Contents	Reference to last Measurement
7	8
m thick	
78.28 Sqm	179395.84
Staircase 6 gauge	
35.40 Sqm	225932.00

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Measurement Book

No. B

498831

..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
	Number	Length	Breadth	Depth		
2	3	4	5	6	7	8
Cutting road surface for pipe line trenches and disposing of the excavated stuff as directed including baricading danger lightening etc in the following qualification						
Quantity recorded vide E MB					66.31 cum	
Rate at Rs 1033.00/cum						68500.30
Earth work excavation for pipeline trenches (except building work) including disposing [illegible] on back up to a lead 30 mtr including danger lighting						
Quantity recorded vide E MB					323.96 cum	
Rate at Rs 558.59/cum						180944.62

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Vidyaranyapura Sub Division

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measureme
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
Item 24	Suppling of following dia meters SFS RCC Spun / vibrated Carrpipe (Reniforced) of AS&: 1998						
	Quantity recorded vide EMB					219.60 Rmt	
	Rate at Rs 1659.00/Rmt						354030.60
Item 25	constructing brick masonry circular type manhole internal dia at bottom and 0.56m dia at top with table moulded non-modular bricks of 50 class. designation 50 in cement mortar					0.91m	
	Quantity recorded vide EMB					8.00 nos	
	Rate at Rs 15587.30/no						124698.40
	02/06/2020						

M. A. R. 57 (Rule 116)
Measurement Book

No. B

498832

From..... To.....

of nature of Agency .....

of commencement of work .....

Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
	Number	Length	Breadth	Depth		
2	3	4	5	6	7	8
brick masonry circular type manhole				0.91 m		
Quantity recorded vide E MB					13.00 nos	
Rate at Rs 25741.04						334633.52
15mm thick cement plaster in single coat with cement mortar to brick masonry including rounding off corners						
Quantity recorded vide E-MB					37.80 sqm	
Rate at 248.04/sqm						9375.91

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measureme
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
Item-28	providing and fixing chlorinated poly vinyl cholirede (cpvc) pipes conferming to IS IS 7328 having thermal stability						
	Quantity recorded vide EMB					140.00 m	
	Rate at Rs 457.9 p/m						64108.80
Item 29	providing and fixing in position brass gate valve with C.I wheel of approved quality (screwded end) nominal bore including cost of all material						
	Quantity recorded vide EMB					6.00 Nos	
	Rate at Rs 1843.34 nos						11060.04

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	Contents	Reference to last Measureme
	7	8
e	(cpvc)	
ty		
	140.00 m	64108.80
	C.I wheel	
	luding	
	6.00 Nos	11060.04

M. A. R. 57 (Rule 116)
Measurement Book

No. B 498833

..... From..... To.....

of Contractor of nature of Agency .....

of commencement of work .....

Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
	Number	Length	Breadth	Depth		
2	3	4	5	6	7	8
CP house top with union.						
Quantity recorded vide E MB					60.00 Nos	
Rate at Rs 269.24/nos						16154.40
Refilling of available earth around pipe lines, cables in layers not exceeding 20cm in depth, compacting each disposed layer by ramming after wearing with lead upto 50m.						
Quantity recorded vide E MB					370.24 cum	
Rate at Rs 128.26/cum						47486.98

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Assistant Executive Engineer
Vidyaranyapura Sub Division

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measureme
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
Item 32	Dismantaling the damaged or collapsed manholes of 1.20m dia conical in shape and reconstruction of the same						
	Quantity vide 'E' MB					4.00 nos	
	Rate at Rs 12694.4/nos						50776.00
Item 33	Hire charges for 2hp dewatering pump to bail out water at leakage pits. inclusive of hire charges						
	Quantity vide E MB					9.00	
	Rate at Rs 6500.00/d						58500.00
							8564928.82

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Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore-97

Contents 7	Reference to last Measureme 8
of 1.20m	
4.00 nos	50776.00
leakage	
9.00	58500.00
	8564928.82
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M. A. R. 57 (Rule 116)
Measurement Book

No. B

498834

..... From..... To.....

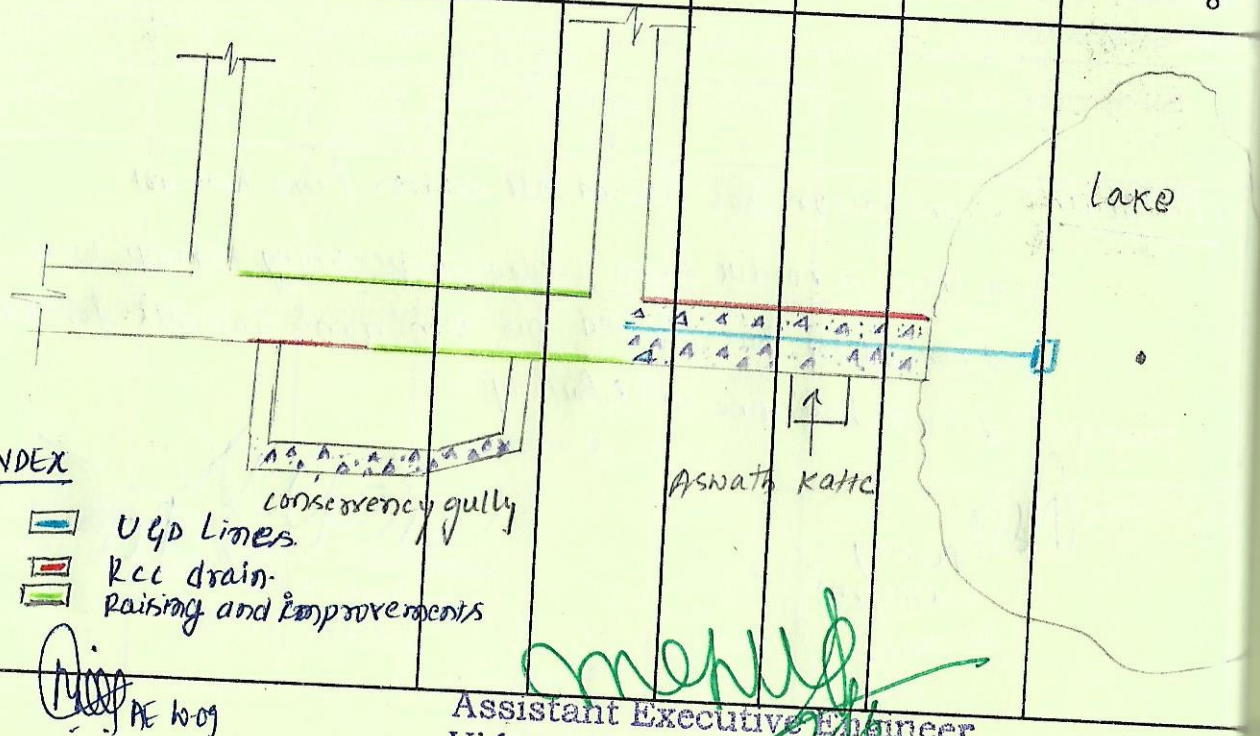
Name of Contractor of nature of Agency .....

Date of commencement of work .....

Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
	Number 3	Length 4	Breadth 5	Depth 6		
Certificate * contractor has cleared all debries from work spot * there is no due from contractor pertaining to bbmp work * contractor has carried his own men & materials for work * work has done satisfactorily AE WOG 02/06/2010 Assistant Executive Engineer Vidyaranyapura Sub Division BBMP, Bangalore - 97						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measureme
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8



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Assistant Executive Engineer
Vidyaranyapura Sub Division
RRMD Bangalore-97